Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	80	replay adj attacks mobile adj nodes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 15:51
L13	12	replay adj attacks with time mobile adj nodes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 16:07
L15	12	aaaf with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 16:53
L16	1	reg-req with timestamp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 16:58
L17	13	reg-req with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND .	ON	2006/09/11 16:54
L18	6	reg-req with time adj stamp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 16:58
L19	6	reg-req with time adj stamp\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 17:00
L24	48	fa with challenge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 17:15

L25	16	foreign adj agent with challenge	HC DCDUD	AND	, (2)	2006/00/44 47 47
L23	16	foreign adj agent with challenge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 17:16
S1	4	aaah with session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 13:52
S2	12	aaa\$2 with session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 13:51
S3	.11	aaa with session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 13:51
S4	28	home with session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 13:51
S5	6	aaah same session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 14:26
S7		mobile adj network same session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/01 14:46
S8	8	mobile adj network same session adj keys first second third	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/01 15:16

S9	610	security adj association sa	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/01 15:16
S10	34	S9 aaa session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/08 07:52
S11	611	security adj association sa	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/08 07:52
S12	35	S11 aaa\$2 session adj keys	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/08 11:53
S19	127	fa with authentication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 09:50
S20	2	fa with authentication adj session	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 09:55
S23	140	fa with verif\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 10:37
S24	6	fa with verif\$7 with (mn or mobile adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 12:17

S27	0	fa adj decrypt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/11 12:45
S28	15	fa with decrypt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/11 12:47
S29	4	fa with session adj key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/11 12:47
S30	5	fa with session adj key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:01

```
Description
Set
        Items
                 PORTABLE? ? OR MOBILE? ? OR REMOTE OR REMOTELY
S1
      1151679
S2
       228023
                WIRELESS OR WI()FI OR WIFI OR 802()11 OR AIRPORT
S3
        75806
                GSM OR GROUPE()SPECIAL()MOBILE OR GLOBAL()SYSTEM()FOR()MOB-
             ILE()COMMUNICATION? ? OR CDMA OR 1XRTT OR EV()DO OR EVOLUTION-
             () DATA() ONLY OR WIMAX OR WORLD() INTEROPERABILITY(2W) MICROWAVE-
              () ACCESS OR BWA OR WIRELESS() BROADBAND() ACCESS
S4
       241801
                MOBILE()NODE? ? OR MN
                HOME () AGENT? ? OR HA
S5
        74807
                FOREIGN() AGENT? ? OR FA
S6
        56192
S7
       .20769
                AUTHENTICATION()AUTHORI?ATION()ACCOUNTING OR AAA
S8
          890
                 S7 (3N) (H OR HOME OR F OR FOREIGN)
S9
       437536
                SECURITY()ASSOCIATION? ? OR SA
S10
       384852
                KEY? ? OR PKI OR CRYPTOKEY? ? OR CRYPTKEY? ? OR PERMITKEY?
             ? OR ACCESSKEY? ? OR KEYPAIR? ?
S11
        69438
                 S10 (3N) (PLURAL? OR MORE OR LEAST() ONE OR MANY OR SEVERAL
             OR MULTIPLE? ? OR MULTIPLICITY OR MULTI OR DIFFERENT OR SEPAR-
             ATE OR VARIOUS OR VARIED OR VARIETY OR NUMEROUS OR NUMBER() OF
              OR TWO OR SECOND OR 2ND OR SECONDARY)
S12
          309
                S7 (3N) (HOME OR FOREIGN)
S13
           81
                AAAH
S14
           61
                AAAF
                 (S1 OR S2 OR S3) (30N) S4 (30N) S5 (30N) S6 (30N) (S12 OR -
S15
             S13 OR S14) (30N) S11
S16
                IDPAT (sorted in duplicate/non-duplicate order)
                IDPAT (primary/non-duplicate records only)
S17
            3
S18
                 (S1 OR S2 OR S3) (30N) S4 (30N) S5 (30N) S6 (30N) S7 (30N)
             S11
            0
S19
                S18 NOT S17
S20
      3469746
                FOREIGN OR OUTSIDE OR ROAMING OR EXTERNAL OR OUTER OR S1
S21
      2906584
                HOME OR INTERNAL OR INSIDE OR INNER
        63684
S22
                S20 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
             ?)
       200149
S23
                S21 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
             ?)
S24
          482
                S7 (5N) S20
S25
          433
                S7 (5N) S21
S26
                 (S1 OR S2 OR S3) (30N) S4 (30N) S22 (30N) S23 (30N) S24 (3-
             ON) S25 (30N) S11
S27
                S26 NOT S17
            1
                S1 (3N) (DEVICE? ? OR COMPUTER? ? OR PC OR NODE? ? OR CLI-
$28
       327648
             ENT? ? OR SERVER? ? OR TERMINAL? ? OR WORKSTATION? ? OR CPU)
S29
                (S1 OR S2 OR S3) (30N) S28 (30N) S22 (30N) S23 (30N) S24 (-
             30N) S25 (30N) S11
                S29 NOT (S17 OR S27)
File 348: EUROPEAN PATENTS 1978-2006/ 200635
         (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060831UT=20060824
         (c) 2006 WIPO/Thomson
File 350:Derwent WPIX 1963-2006/UD=200656
         (c) 2006 The Thomson Corporation
```

OMESSA MARKET STATES OF THE ST

Set	Items	Description
S1	5631	PORTABLE? ? OR MOBILE? ? OR REMOTE OR REMOTELY
S2	3892	WIRELESS OR WI()FI OR WIFI OR 802()11 OR AIRPORT
S3	354	GSM OR GROUPE()SPECIAL()MOBILE OR GLOBAL()SYSTEM()FOR()MOB-
	I	LE()COMMUNICATION? ? OR CDMA OR 1XRTT OR EV()DO OR EVOLUTION-
	(	) DATA()ONLY OR WIMAX OR WORLD()INTEROPERABILITY(2W)MICROWAVE-
		) ACCESS OR BWA OR WIRELESS() BROADBAND() ACCESS
S4 .	4	MOBILE()NODE? ? OR MN
S5	31	HOME () AGENT? ? OR HA
S6	5	FOREIGN()AGENT? ? OR FA
s7	16	AUTHENTICATION()AUTHORI?ATION()ACCOUNTING OR AAA
S8		SECURITY()ASSOCIATION? ? OR SA
S9	1963	
	?	OR ACCESSKEY? ? OR KEYPAIR? ?
S10	147	S9 (3N) (PLURAL? OR MORE OR LEAST()ONE OR MANY OR SEVERAL -
	0	R MULTIPLE? ? OR MULTIPLICITY OR MULTI OR DIFFERENT OR SEPAR-
	A	TE OR VARIOUS OR VARIED OR VARIETY OR NUMEROUS OR NUMBER()OF
		OR TWO OR SECOND OR 2ND OR SECONDARY)
S11	0	S7 (3N)(HOME OR FOREIGN)
S12	0	АААН
S13	0	AAAF
S14	7640	FOREIGN OR OUTSIDE OR ROAMING OR EXTERNAL OR OUTER OR S1
S15	2877	
S16	292	S14 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
	?	
S17	55	S15 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
	?	, , ,
S18	1	S7 (5N) S14
S19	0	S7 (5N) S15
S20	1340	S1 (3N) (DEVICE? ? OR COMPUTER? ? OR PC OR NODE? ? OR CLI-
	E	NT? ? OR SERVER? ? OR TERMINAL? ? OR WORKSTATION? ? OR CPU)
S21	0	(S1 OR S2 OR S3) AND S20 AND (S5 OR S15) AND (S6 OR S16) A-
	N	D S7 AND S9
File	256:TecIn	foSource 82-2006/Dec
	(c) 2	006 Info.Sources Inc

```
Set
      Items
                Description
                PORTABLE? ? OR MOBILE? ? OR REMOTE OR REMOTELY
S1
      1344829
                WIRELESS OR WI()FI OR WIFI OR 802()11 OR AIRPORT
S2
       404796
                GSM OR GROUPE()SPECIAL()MOBILE OR GLOBAL()SYSTEM()FOR()MOB-
S3
       113637
             ILE()COMMUNICATION? ? OR CDMA OR 1XRTT OR EV()DO OR EVOLUTION-
             () DATA() ONLY OR WIMAX OR WORLD() INTEROPERABILITY(2W) MICROWAVE-
             ()ACCESS OR BWA OR WIRELESS()BROADBAND()ACCESS
                MOBILE()NODE? ? OR MN
       580524
S4
     140293
                HOME() AGENT? ? OR HA
S5
                FOREIGN() AGENT? ? OR FA
S6
        44684
                AUTHENTICATION()AUTHORI?ATION()ACCOUNTING OR AAA
S7
        19783
                SECURITY() ASSOCIATION? ? OR SA
       200931
S8
                KEY? ? OR PKI OR CRYPTOKEY? ? OR CRYPTKEY? ? OR PERMITKEY?
       984560
S9
             ? OR ACCESSKEY? ? OR KEYPAIR? ?
                S9 (3N) (PLURAL? OR MORE OR LEAST()ONE OR MANY OR SEVERAL -
S10
        61501
             OR MULTIPLE? ? OR MULTIPLICITY OR MULTI OR DIFFERENT OR SEPAR-
             ATE OR VARIOUS OR VARIED OR VARIETY OR NUMEROUS OR NUMBER() OF
              OR TWO OR SECOND OR 2ND OR SECONDARY)
                S7 (3N) (HOME OR FOREIGN)
           51
S11
          177
                AAAH
S12
          292
S13
                AAAF
                 (S1 OR S2 OR S3) AND S4 AND S5 AND S6 AND (S11 OR S12 OR S-
S14
            0
             13) AND S10
                 (S1 OR S2 OR S3) AND S4 AND S5 AND S6 AND S7 AND S10
            0
S15
      3734273
                FOREIGN OR OUTSIDE OR ROAMING
                                                OR EXTERNAL OR OUTER OR S1
S16
                HOME OR INTERNAL OR INSIDE OR INNER
S17
      2438174
                S16 (3N) (AGENT OR PROVIDER OR MODULE OR ENGINE)
S18
        22691
                S17 (3N) (AGENT OR PROVIDER OR MODULE OR ENGINE)
        67523
S19
                S7 (5N) S16
          247
S20
          161
                S7 (5N) S17
S21
                S1 (3N) (DEVICE? ? OR COMPUTER? ? OR PC OR NODE? ? OR CLI-
S22
       107734
             ENT? ? OR SERVER? ? OR TERMINAL? ? OR WORKSTATION? ? OR CPU)
                 (S1 OR S2 OR S3) AND S22 AND S18 AND S19 AND (S20 OR S21) -
S23
             AND S10
                 (S1 OR S2 OR S3) AND S22 AND S18 AND S19 AND S7 AND S10
S24
                 (S1 OR S2 OR S3) AND S22 AND S18 AND S19 AND (S20 OR S21) -
S25
       8:Ei Compendex(R) 1970-2006/Aug W4
File
          (c) 2006 Elsevier Eng. Info. Inc.
      35:Dissertation Abs Online 1861-2006/Jun
File
         (c) 2006 ProQuest Info&Learning
      65:Inside Conferences 1993-2006/Sep 04
File
          (c) 2006 BLDSC all rts. reserv.
       2: INSPEC 1898-2006/Aug W3
File
         (c) 2006 Institution of Electrical Engineers
      94:JICST-EPlus 1985-2006/May W4
File
          (c) 2006 Japan Science and Tech Corp(JST)
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Aug 22
          (c) 2006 The Gale Group
File
       6:NTIS 1964-2006/Aug W4
          (c) 2006 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2006/Aug W2
          (c) 2006 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 2006 The Thomson Corp
      34:SciSearch(R) Cited Ref Sci 1990-2006/Aug W4
File
          (c) 2006 The Thomson Corp
      62:SPIN(R) 1975-2006/Aug W2
File
          (c) 2006 American Institute of Physics
      99:Wilson Appl. Sci & Tech Abs 1983-2006/Jul
File
          (c) 2006 The HW Wilson Co.
      95:TEME-Technology & Management 1989-2006/Sep W1
File
          (c) 2006 FIZ TECHNIK
      56: Computer and Information Systems Abstracts 1966-2006/Aug
File
          (c) 2006 CSA.
```

Set	Items	Description
S1	151970	PORTABLE? ? OR MOBILE? ? OR REMOTE OR REMOTELY
S2	14687	WIRELESS OR WI()FI OR WIFI OR 802()11 OR AIRPORT
S3	2133	GSM OR GROUPE()SPECIAL()MOBILE OR GLOBAL()SYSTEM()FOR()MOB-
	II	LE()COMMUNICATION? ? OR CDMA OR 1XRTT OR EV()DO OR EVOLUTION-
	()	DATA()ONLY OR WIMAX OR WORLD()INTEROPERABILITY(2W)MICROWAVE-
		ACCESS OR BWA OR WIRELESS()BROADBAND()ACCESS
S4	53635	MOBILE()NODE? ? OR MN
S5 ·	2569	HOME()AGENT? ? OR HA
S6	3249	
S7	187	AUTHENTICATION()AUTHORI?ATION()ACCOUNTING OR AAA
S8	8093	
S9	106778	
57		OR ACCESSKEY? ? OR KEYPAIR? ?
S10	9210	S9 (3N) (PLURAL? OR MORE OR LEAST() ONE OR MANY OR SEVERAL -
510		R MULTIPLE? ? OR MULTIPLICITY OR MULTI OR DIFFERENT OR SEPAR-
		TE OR VARIOUS OR VARIED OR VARIETY OR NUMEROUS OR NUMBER() OF
•		OR TWO OR SECOND OR 2ND OR SECONDARY)
S11	0	S7 (3N) (HOME OR FOREIGN)
S12	7	AAAH
S13	4	AAAF
S14	1133626	
S15	1132970	HOME OR INTERNAL OR INSIDE OR INNER
S16	6220	S14 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
510	?)	
S17	70521	S15 (3N) (AGENT? ? OR PROVIDER? ? OR MODULE? ? OR ENGINE? -
י בט	?)	• • • • • • • • • • • • • • • • • • • •
S18	6	S7 (5N) S14
S19	3	S7 (5N) S15
S20	47559	S1 (3N) (DEVICE? ? OR COMPUTER? ? OR PC OR NODE? ? OR CLI-
320		IT? ? OR SERVER? ? OR TERMINAL? ? OR WORKSTATION? ? OR CPU)
S21	0	(S1 OR S2 OR S3) AND S4 AND S5 AND S6 AND S7 AND S10
S22	0	(S1 OR S2 OR S3) AND S4 AND S16 AND S17 AND S7 AND S10
S22	0	
	•	(S1 OR S2 OR S3) AND S20 AND S16 AND S17 AND S7 AND S10
тте		Dec 1976-2005/Dec(Updated 060404)
	(C) 20	06 JPO & JAPIO

1.72

A SALL SOLL TO SALE AND COLUMN COMMENTS

```
Set
         Items
                 Description
 S1
                 PORTABLE? ? OR MOBILE? ? OR REMOTE OR REMOTELY
       5768738
 S2
       5044077
                 WIRELESS OR WI()FI OR WIFI OR 802()11 OR AIRPORT
 S3
        491591
                 GSM OR GROUPE()SPECIAL()MOBILE OR GLOBAL()SYSTEM()FOR()MOB-
              ILE()COMMUNICATION? ? OR CDMA OR 1XRTT OR EV()DO OR EVOLUTION-
               ()DATA()ONLY OR WIMAX OR WORLD()INTEROPERABILITY(2W)MICROWAVE-
               () ACCESS OR BWA OR WIRELESS () BROADBAND () ACCESS
S4
        420383
                 MOBILE()NODE? ? OR MN
                 HOME() AGENT? ? OR HA
S5
        225794
S6
        288243
                 FOREIGN() AGENT? ? OR FA
S7
        319158
                 AUTHENTICATION() AUTHORI? ATION() ACCOUNTING OR AAA
S8
       1583800
                 SECURITY()ASSOCIATION? ? OR SA
S9
                 KEY? ? OR PKI OR CRYPTOKEY? ? OR CRYPTKEY? ? OR PERMITKEY?
       9626567
              ? OR ACCESSKEY? ? OR KEYPAIR? ?
S10
        717181
                 S9 (3N) (PLURAL? OR MORE OR LEAST() ONE OR MANY OR SEVERAL -
              OR MULTIPLE? ? OR MULTIPLICITY OR MULTI OR DIFFERENT OR SEPAR-
              ATE OR VARIOUS OR VARIED OR VARIETY OR NUMEROUS OR NUMBER()OF
               OR TWO OR SECOND OR 2ND OR SECONDARY)
S11
          2152
                 S7 (3N) (HOME OR FOREIGN)
S12
          1336
                 AAAH
S13
           701
                 AAAF
S14
                 (S1 OR S2 OR S3) (30N) S4 (30N) S5 (30N) S6 (30N) (S11 OR -
             0
              S12 OR S13) (30N) S10
S15
                 (S1 OR S2 OR S3) (30N) S4 (30N) S5 (30N) S6 (30N) S7 (30N)
              S10
S16
                 (FOREIGN OR OUTSIDE OR ROAMING OR EXTERNAL OR OUTER OR S1-
       179381
              ) (3N) (AGENT OR PROVIDER OR MODULE OR ENGINE)
S17
                 S (HOME OR INTERNAL OR INSIDE OR INNER) (3N) (AGENT OR PROVI-
              DER OR MODULE OR ENGINE)
S18
                S7 (5N) (FOREIGN OR OUTSIDE OR ROAMING OR EXTERNAL OR OUT-
              ER OR S1)
S19
          2777
                 S7 (5N) (HOME OR INTERNAL OR INSIDE OR INNER)
S20
                 (HOME OR INTERNAL OR INSIDE OR INNER) (3N) (AGENT OR PROVIDER
        96876
               OR MODULE OR ENGINE)
S21
                 S1 (3N) (DEVICE? ? OR COMPUTER? ? OR PC OR NODE? ? OR CLI-
             ENT? ? OR SERVER? ? OR TERMINAL? ? OR WORKSTATION? ? OR CPU)
S22
                 PDA? ? OR HANDHELD? ? OR HAND() HELD? ? OR PALMTOP? ? OR PA-
             LMPILOT? ? OR POCKET()PC? ? OR PSP OR BLACKBERRY? ? OR BLACKB-
             ERRIES OR LAPTOP? ? OR NOTEBOOK? ? OR TRIO OR TRIOS OR PIT
                 CELLPHONE? ? OR MOBILEPHONE? ? OR SMARTPHONE? ? OR (CELL OR
S23
      1567586
              MOBILE OR SMART) () PHONE? OR PAGER? ? OR PERSONAL() DIGITAL() A-
             SSISTANT? ?
S24
                 (S1 OR S2 OR S3 OR S22 OR S23) (30N) S21 (30N) S16 (30N) S-
             20 (30N) S18 (30N) S19 (30N) S10
S25
                 (S1 OR S2 OR S3 OR S22 OR S23) (30N) S21 (30N) S16 (30N) S-
             20 (30N) S7 (30N) S10
                (S1 OR S2 OR S3 OR S22 OR S23) (30N) S21 (30N) S16 (30N) S-
S26
             20 (30N) S7 (30N) S9
S27
                RD
                    (unique items)
      88:Gale Group Business A.R.T.S. 1976-2006/Aug 23
File
         (c) 2006 The Gale Group
File 369: New Scientist 1994-2006/Jul W5
         (c) 2006 Reed Business Information Ltd.
File 160: Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 635: Business Dateline(R) 1985-2006/Sep 02
         (c) 2006 ProQuest Info&Learning
      15:ABI/Inform(R) 1971-2006/Sep 05
File
         (c) 2006 ProQuest Info&Learning
File
      16:Gale Group PROMT(R) 1990-2006/Sep 01
         (c) 2006 The Gale Group
File
       9:Business & Industry(R) Jul/1994-2006/Sep 01
         (c) 2006 The Gale Group
File
      13:BAMP 2006/Aug W4
         (c) 2006 The Gale Group
```

the second section and the second second